

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY  
(includes Reference to PGT International Applications)

ATTORNEY'S DOCKET  
NUMBER  
PHDE020163 US

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Angular displacement encoder with two magnetic tracks**  
the specification of which (check only one item below):

☐ is attached hereto.

☐ was filed as United States application

Serial No \_\_\_\_\_

on \_\_\_\_\_

and was amended

on \_\_\_\_\_

☒ was filed as PCT international application

Number PCT/IB03/02925

on June 13, 2003

and was amended under PCT Article 19

on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY	APPLICATION NUMBER	DATE OF FILING DAY, MONTH, YEAR	PRIORITY CLAIMED UNDER 35 USC 119
Germany	102 28 663.9	27 June 2002	YES

U.S. DEPARTMENT OF COMMERCE –Patent and Trademarks Office  
(July 1994)

Combined Declaration For P  
(includes Reference to PCT Internal  
POWER OF ATTORNEY: As a n  
all business in the Patent and Traden

Jack E.  
Michael E.  
Edward M. B.

Attorneys Docket Number  
**PHDE020163 US**

(Continued)

and/or agent(s) to prosecute this application and transact  
(signature number)

Direct Telephone Calls to:  
Name and telephone number)  
(4) 332-0222

201	FULL NAME OF INVENTOR <b>STEFAN BUTZMANN</b>	FAMILY NAME <b>BUTZMANN</b>	FIRST GIVEN NAME <b>Stefan</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP <b>Hagen</b>	CITY <b>Hagen</b>	STATE OR FOREIGN COUNTRY <b>Germany</b>	COUNTRY OF CITIZENSHIP <b>Germany</b>
	POST OFFICE ADDRESS <b>Hestertstrasse 4</b>	POST OFFICE ADDRESS <b>Hestertstrasse 4</b>	CITY <b>5815</b>	STATE & ZIP CODE/COUNTRY <b>Germany</b>
202	FULL NAME OF INVENTOR <b>PUSCH</b>	FAMILY NAME <b>PUSCH</b>	FIRST GIVEN NAME <b>Stefan</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP <b>Hamburg</b>	CITY <b>Hamburg</b>	STATE OR FOREIGN COUNTRY <b>Germany</b>	COUNTRY OF CITIZENSHIP <b>Germany</b>
	POST OFFICE ADDRESS <b>Heussweg 10</b>	POST OFFICE ADDRESS <b>Heussweg 10</b>	CITY <b>20257 Hamburg</b>	STATE & ZIP CODE/COUNTRY <b>Germany</b>
203	FULL NAME OF INVENTOR <b>HINZ</b>	FAMILY NAME <b>HINZ</b>	FIRST GIVEN NAME <b>Michael</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP <b>Hamburg</b>	CITY <b>Hamburg</b>	STATE OR FOREIGN COUNTRY <b>Germany</b>	COUNTRY OF CITIZENSHIP <b>Germany</b>
	POST OFFICE ADDRESS <b>Wildacker 40</b>	POST OFFICE ADDRESS <b>Wildacker 40</b>	CITY <b>22523 Hamburg</b>	STATE & ZIP CODE/COUNTRY <b>Germany</b>
204	FULL NAME OF INVENTOR <b>SCHULZ</b>	FAMILY NAME <b>SCHULZ</b>	FIRST GIVEN NAME <b>Gunnar</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP <b>Hamburg</b>	CITY <b>Hamburg</b>	STATE OR FOREIGN COUNTRY <b>Germany</b>	COUNTRY OF CITIZENSHIP <b>Germany</b>
	POST OFFICE ADDRESS <b>Beerbuschring 2</b>	POST OFFICE ADDRESS <b>Beerbuschring 2</b>	CITY <b>22395 Hamburg</b>	STATE & ZIP CODE/COUNTRY <b>Germany</b>
205	FULL NAME OF INVENTOR <b>WESER</b>	FAMILY NAME <b>WESER</b>	FIRST GIVEN NAME <b>Marcus</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP <b>Hamburg</b>	CITY <b>Hamburg</b>	STATE OR FOREIGN COUNTRY <b>Germany</b>	COUNTRY OF CITIZENSHIP <b>Germany</b>
	POST OFFICE ADDRESS <b>Alter Berner Weg 128</b>	POST OFFICE ADDRESS <b>Alter Berner Weg 128</b>	CITY <b>22393 Hamburg</b>	STATE & ZIP CODE/COUNTRY <b>Germany</b>
206	FULL NAME OF INVENTOR <b>STORK</b>	FAMILY NAME <b>STORK</b>	FIRST GIVEN NAME <b>Thomas</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP <b>Hamburg</b>	CITY <b>Hamburg</b>	STATE OR FOREIGN COUNTRY <b>Germany</b>	COUNTRY OF CITIZENSHIP <b>Germany</b>
	POST OFFICE ADDRESS <b>Geschwister-Scholl-Strasse 83</b>	POST OFFICE ADDRESS <b>Geschwister-Scholl-Strasse 83</b>	CITY <b>20251 Hamburg</b>	STATE & ZIP CODE/COUNTRY <b>Germany</b>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true: and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <i>Stefan Butzmann</i>	SIGNATURE OF INVENTOR 202	SIGNATURE OF INVENTOR 203
DATE 20.06.2003	DATE	DATE
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE

U.S. DEPARTMENT OF COMMERCE- Patent and Trademarks Office

(July 1994)

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Germany	102 28 663.9	27 June 2002	YES

U.S. DEPARTMENT OF COMMERCE -Patent and Trademarks Office  
(July 1994)

<b>Combined Declaration For Patent Application and Power of Attorney (Continued)</b> (includes Reference to PCT International Applications)				Attorneys Docket Number <b>PHDE020163 US</b>	
<b>POWER OF ATTORNEY:</b> As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)					
Jack E. Haken, Reg. No. 26,902 Michael E. Marion, Reg. No. 32,266 Edward M. Blocker, Reg. No. 30,245				Direct Telephone Calls to: (name and telephone number) (914)332-0222	
201	FULL NAME OF INVENTOR	FAMILY NAME <b>BUTZMANN</b>	FIRST GIVEN NAME <b>Stefan</b>	SECOND GIVEN NAME	
	RESIDENCE & CITIZENSHIP	CITY <b>Hagen</b>	STATE OR FOREIGN COUNTRY <b>Germany</b>	COUNTRY OF CITIZENSHIP <b>Germany</b>	
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <b>Hestertstrasse 4</b>	CITY <b>58135 Hagen</b>	STATE & ZIP CODE/COUNTRY <b>Germany</b>	
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203	FULL NAME OF INVENTOR	FAMILY NAME <b>HINZ</b>	FIRST GIVEN NAME <b>Michael</b>	SECOND GIVEN NAME	
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U.S. DEPARTMENT OF COMMERCE- Patent and Trademarks Office

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	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY		STATE & ZIP CODE/COUNTRY
		<b>BUTZMANN</b>	<b>Stefan</b>		
		<b>Hagen</b>	<b>Germany</b>		<b>Germany</b>
		<b>Hestertstrasse 4</b>	<b>58135 Hagen</b>		<b>Germany</b>
202	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME		SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY		STATE & ZIP CODE/COUNTRY
		<b>PUSCH</b>	<b>Stefan</b>		
		<b>Hamburg</b>	<b>Germany</b>		<b>Germany</b>
		<b>Heussweg 10</b>	<b>20257 Hamburg</b>		<b>Germany</b>
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	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY		STATE & ZIP CODE/COUNTRY
		<b>HINZ</b>	<b>Michael</b>		
		<b>Hamburg</b>	<b>Germany</b>		<b>Germany</b>
		<b>Wildacker 40</b>	<b>22523 Hamburg</b>		<b>Germany</b>
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	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY		STATE & ZIP CODE/COUNTRY
		<b>SCHULZ</b>	<b>Gunnar</b>		
		<b>Hamburg</b>	<b>Germany</b>		<b>Germany</b>
		<b>Beerbuschring 2</b>	<b>22395 Hamburg</b>		<b>Germany</b>
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME		SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY		STATE & ZIP CODE/COUNTRY
		<b>WESER</b>	<b>Marcus</b>		
		<b>Kaarst</b>	<b>Germany</b>		<b>Germany</b>
		<b>Niedersachsenstraße 20</b>	<b>41564 Kaarst</b>		<b>Germany</b>
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME		SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY		STATE & ZIP CODE/COUNTRY
		<b>STORK</b>	<b>Thomas</b>		
		<b>Hamburg</b>	<b>Germany</b>		<b>Germany</b>
		<b>Geschwister-Scholl-Strasse 83</b>	<b>20251 Hamburg</b>		<b>Germany</b>
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SIGNATURE OF INVENTOR 201		SIGNATURE OF INVENTOR 202		SIGNATURE OF INVENTOR 203	
DATE		DATE		DATE	
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DATE		DATE		DATE	

10/518847

Rec'd PCT/PTO 21 DEC 2004

PTO/SB/80 (12-03)

Approved for use through 11/30/2005. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO**

I hereby appoint:

☒ Practitioners associated with the Customer Number:

24737

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

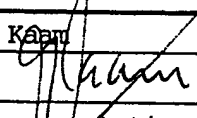
Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Assignee Name and Address:

Koninklijke Philips Electronics N.V.  
Groenewoudseweg 1  
5621 BA Eindhoven, The Netherlands**A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.****SIGNATURE of Assignee of Record**

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Name	Matthieu van Kaam		
Signature		Date	April 29, 2004
Title	Authorized Representative	Telephone	(914) 333-9600

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)****10/518847**Applicant/Patent Owner: Koninklijke Philips Electronics N.V.Application No./Patent No.: Concurrently Filed/Issue Date: ConcurrentlyEntitled: ANGULAR DISPLACEMENT ENCODER WITH TWO MAGNETIC TRACKSKoninklijke Philips Electronics N.V., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.**OR**B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date

(914) 333-9608

Telephone number

Aaron Waxler, Reg. 48,027

Typed or printed name

Signature

Corporate Counsel

Title

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